

Title (en)
Home appliance, diagnostic apparatus and method

Title (de)
Haushaltsgerät, Diagnosevorrichtung und Verfahren

Title (fr)
Appareil ménager, appareil et procédé de diagnostic

Publication
EP 2618230 A3 20170517 (EN)

Application
EP 13000166 A 20130114

Priority
KR 20120005353 A 20120117

Abstract (en)
[origin: EP2618230A2] A diagnostic apparatus receives product information as an image from a home appliance and performs a diagnosis on the home appliance based on a code included in the image. The diagnostic apparatus comprising: a camera configured to capture a signal displayed at a home appliance as an image signal; a first image processing unit configured to convert the image signal captured by the camera into image data for a plurality of frames of the image signal; a second image processing unit configured to analyze the image data, to recognize a code included in a frame, and to extract data associated with the code; a data processing unit configured to convert data extracted by the second image processing unit into product information; a diagnosing unit configured to diagnose the home appliance based on the product information and to generate a diagnosis result; and a controller configured to drive the camera when a diagnosis mode is performed so that the image signal is captured and to perform control so that the diagnosis result is generated.

IPC 8 full level
G05B 23/02 (2006.01); **G06V 10/00** (2022.01); **G08B 21/18** (2006.01)

CPC (source: EP KR US)
G05B 23/0272 (2013.01 - EP US); **G06Q 10/10** (2013.01 - KR); **G06Q 30/02** (2013.01 - KR); **G06Q 50/10** (2013.01 - KR); **G08B 21/18** (2013.01 - US)

Citation (search report)

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- [XP] EP 2530551 A1 20121205 - SAMSUNG ELECTRONICS CO LTD [KR]
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- [Y] US 2011018729 A1 20110127 - KIM YONGTAE [KR], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2618230 A2 20130724; EP 2618230 A3 20170517; EP 2618230 B1 20210616; BR 102013001005 A2 20140617; BR 102013001005 B1 20210706; CN 103207597 A 20130717; CN 103207597 B 20160824; JP 2013149252 A 20130801; JP 5603443 B2 20141008; KR 101809923 B1 20171220; KR 20130089955 A 20130813; US 2013188046 A1 20130725

DOCDB simple family (application)
EP 13000166 A 20130114; BR 102013001005 A 20130115; CN 201310018220 A 20130117; JP 2013006438 A 20130117; KR 20120005353 A 20120117; US 201313742843 A 20130116